

CBRN Escape Respirator

Breathing Gas Control

Concept Requirement:

- CO₂ – Maximum Average Inhaled
 - Concentration of 2.5% Max
 - 42 CFR, Part 84, paragraphs 84.101 & 84.97
- O₂ – Minimum Inhaled
 - Concentration of 19.5%
 - 42 CFR, Part 84, paragraph 84.79

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- Human Subject Testing
 - Greater Than 80 kg, 2 subjects
 - Less Than 60 kg, 2 subjects
- Work Rate:
 - Standing, 2.5 and 3.5 mph: Treadmill
- Test for Duration of Each Respirator